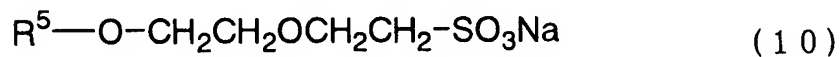
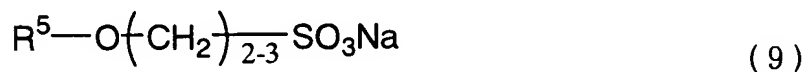
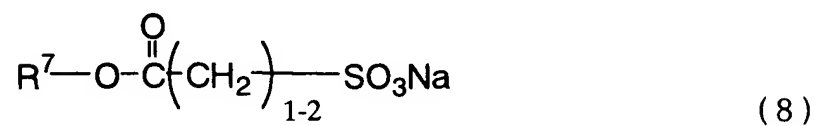
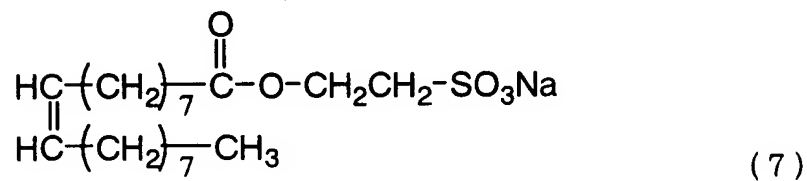
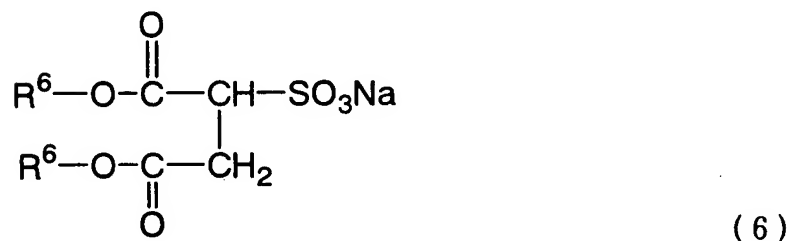
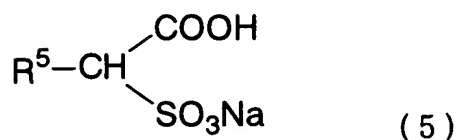


ion-exchange that a pair cation is substituted to a hydrogen atom by adding an inorganic acid such as hydrochloric acid, sulfuric acid and nitric acid. The anionic aliphatic surface active agents include, for example, the followings.



wherein  $R^5$  is an alkyl group of 8 to 30 carbon atoms,  $R^6$  is an alkyl group of 4 to 12 carbon atoms, and  $R^7$  is an alkyl group